

Heartland™ Series

Proven Protection From Reliable Material Performance In Aggressive Environments

The **Heartland** (AH) Series are high performance, polycarbonate enclosures applicable for heavy industrial conditions, but with a refined style suitable for commercial, industrial and OEM design applications.

The polycarbonate resin in the **Heartland** Series attained the best available “F1” rating, having passed critical tests for UV exposure and water immersion.

Heartland Series enclosures are rain-tight and watertight rated for use in both interior and exterior applications. Material ratings, as well as product ratings, assure the user that polycarbonate is designed to perform, without adverse affects, in cold weather applications.

Of significant protective value: corrosion-resistant polycarbonate can be effectively used across a wide range of aggressive environments.

HEARTLAND SERIES ATTRIBUTES

- Latches and hinges do not penetrate enclosure
- Easy to remove lid
- High performance inserts
- Integrated padlock hasp
- Flush-fit side mount swing panel and DIN rail system
- Molded in bosses
- Multi-directional mounting feet
- Available in standard opaque or clear cover options

HEARTLAND SERIES INDUSTRY STANDARDS

UL/cUL File #	E319779
NEMA Ratings (UL508A, UL50 & UL50e)	1, 3R, 4, 4X, 6P, 12
IEC 60529 Ratings	IP66, IP68
Temperature Range	(-20°F to +240°F) (-29°C to +115°C)
Flammability Rating	UL94-5VA, UL94-V0
Self Extinguishing	Non-halogenated, non-flame propagating
Certifications	cULus, CE, REACH, RoHS
Outdoor UV Exposure (UL 746C)	(f1) Rated
Chemical Resistance	See chart on page 120

Heartland | Opaque (AH)



Heartland | Clear (AH_C)



Heartland | Opaque

HINGED, LATCHED, PADLOCKABLE



CONSTRUCTION

Material (Box & Cover)	Polycarbonate with UV inhibitors
Gasket Material	Neoprene rope style, Poured polyurethane seamless gasket on select sizes
Cover Screw Material	304 Stainless Steel
Mounting Bosses	Panel mounting capability for fixed rear panel
Back Panel Screw Size	#10-32x3/8
Metal Inserts	All threaded brass inserts accepting #10-32 screws
Cover Screw Size	#10-32 x 5/8
Cover Screw Torque	20-24 in.-lbs.
Mounting Feet Inserts	1/4-20x1/2
Mounting Feet Torque	14-16in.-lbs
Hinge and Latch Hardware	Polycarbonate with UV inhibitors
Side Mount Solutions	Variable height side mount capability

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ACCESSORIES

BACK PANELS

Aluminum	BP__A	pg. 108
Carbon Steel	BP__CS	pg. 108
ABS	BP__ABS	pg. 108

ACCESSORIES

Swing Panel Mounts (4 per kit)	pg. 17
DIN Rail / DIN Rail Kit	pg. 17
Vents	pg. 104
4X Breather Vent	pg. 102
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Pole Mount Kit	pg. 17
All Other Accessories	Pg. 102-117

MODIFICATIONS

Custom Colors	pg. 10-11
Silk Screening	pg. 10-11
Custom Cutouts/Holes	pg. 10-11



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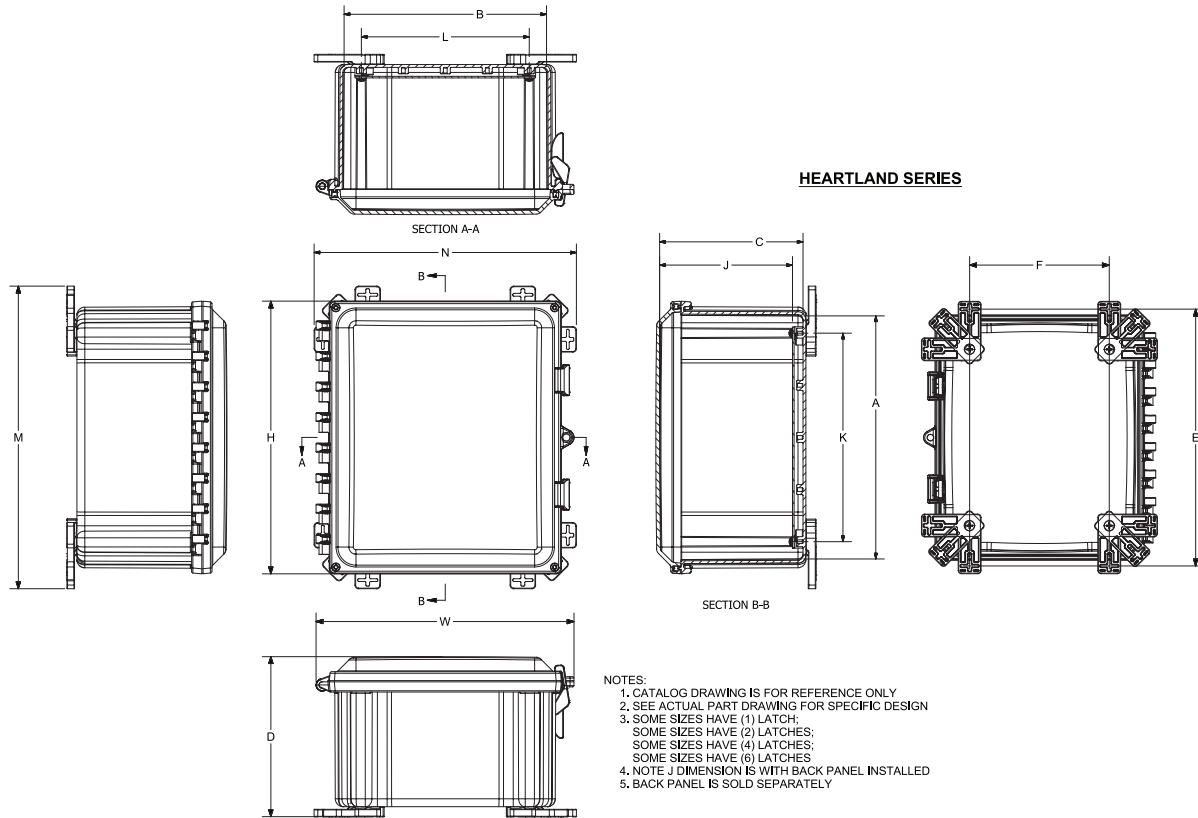
Swing Panel Mounts (4 per kit)	pg. 17
DIN Rail / DIN Rail Kit	pg. 17
Vents	pg. 104
4X Breather Vent	pg. 102
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Heartland

TECHNICAL DRAWINGS / DIMENSIONS



HEARTLAND SERIES DIMENSIONS

SIZE ID NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING HOR. E X F	MOUNTING VER. E X F	MOUNTING 45 E X F	J	K	L	M	N	SHIPPING WEIGHT	PANEL NUMBER
AH664 AH664C	7.41 x 8.68 x 5.84 (188 x 223 x 148)	5.94 x 5.94 x 5.02 (151 x 151 x 127)	3.64 x 8.40 (93 x 213)	8.04 x 3.64 (204 x 93)	6.75 x 6.74 (171 x 171)	4.50 (114)	4.25 (108)	4.25 (108)	8.89 (226)	8.89 (226)	2.50 lbs.	BP66**
AH864 AH864C	9.41 x 8.68 x 5.86 (239 x 223 x 149)	7.97 x 5.97 x 5.07 (202 x 152 x 129)	5.64 x 8.04 (143 x 213)	10.04 x 3.64 (255 x 93)	8.76 x 6.75 (223 x 171)	4.56 (116)	6.25 (159)	4.25 (108)	10.89 (277)	8.89 (226)	3.19 lbs.	BP86**
AH884 AH884C	9.41 x 10.68 x 5.86 (239 x 271 x 149)	7.97 x 7.97 x 5.03 (202 x 202 x 128)	5.63 x 10.03 (143 x 255)	10.04 x 5.63 (255 x 143)	8.74 x 8.78 (222 x 223)	4.53 (115)	6.25 (159)	6.25 (159)	10.88 (277)	10.88 (277)	CF	BP88**
AH1084 AH1084C	11.41 x 10.68 x 6.36 (290 x 271 x 161)	9.96 x 7.96 x 5.57 (253 x 202 x 142)	7.64 x 10.04 (194 x 255)	12.04 x 5.64 (306 x 143)	10.76 x 8.75 (273 x 222)	5.05 (128)	8.25 (210)	6.25 (159)	12.89 (327)	10.89 (277)	4.31 lbs.	BP108**
AH1086 AH1086C	11.41 x 10.68 x 7.89 (209 x 271 x 200)	9.95 x 7.95 x 7.06 (253 x 202 x 179)	7.63 x 10.03 (194 x 255)	12.03 x 5.63 (306 x 143)	10.76 x 8.75 (273 x 222)	6.54 (166)	8.25 (210)	6.25 (159)	12.88 (327)	10.88 (277)	CF	BP108**
AH10106 AH10106C	11.41 x 12.68 x 6.97 (209 x 322 x 177)	9.95 x 9.95 x 6.15 (253 x 253 x 156)	7.63 x 12.03 (194 x 306)	12.03 x 7.63 (306 x 194)	10.76 x 10.75 (273 x 273)	5.65 (144)	8.25 (210)	8.25 (210)	12.88 (327)	12.88 (327)	CF	BP1010**
AH12106 AH12106C	13.40 x 12.68 x 7.86 (340 x 322 x 200)	11.95 x 9.95 x 7.07 (304 x 253 x 180)	9.64 x 12.04 (245 x 306)	14.04 x 7.64 (357 x 194)	12.76 x 10.75 (324 x 273)	6.56 (167)	10.25 (260)	8.25 (210)	14.89 (378)	12.89 (327)	6.19 lbs.	BP1210**
AH14126 AH14126C	15.40 x 14.68 x 7.86 (391 x 373 x 200)	13.95 x 11.95 x 7.07 (354 x 304 x 180)	11.64 x 14.04 (296 x 357)	16.04 x 9.64 (407 x 245)	14.76 x 12.75 (375 x 324)	6.56 (167)	12.25 (311)	10.25 (260)	16.89 (429)	14.89 (378)	7.99 lbs.	BP1412**
AH16148 AH16148C	17.65 x 16.68 x 9.98 (448 x 424 x 253)	15.93 x 13.93 x 9.20 (405 x 354 x 234)	13.64 x 16.04 (347 x 407)	18.04 x 11.64 (458 x 296)	16.76 x 14.75 (426 x 375)	8.68 (220)	14.25 (362)	12.25 (311)	18.89 (480)	16.89 (429)	10.00 lbs.	BP1614**
AH181610 AH181610C	19.41 x 18.68 x 11.90 (493 x 474 x 302)	17.83 x 15.83 x 11.08 (453 x 402 x 281)	15.64 x 18.04 (397 x 458)	20.04 x 13.64 (509 x 347)	18.75 x 16.74 (476 x 425)	10.56 (268)	16.25 (413)	14.25 (362)	20.89 (531)	18.89 (480)	11.25 lbs.	BP1816**
AH18164 AH18164C	19.41 x 18.68 x 5.41 (493 x 474 x 137)	18.16 x 16.16 x 5.08 (461 x 410 x 129)	N/A	20.50 x 13.50 (521 x 343)	N/A	4.56 (116)	16.25 (413)	14.25 (362)	21.75 (552)	N/A	CF	BP1816**
AH20168 AH20168C	21.41 x 18.68 x 9.97 (544 x 474 x 253)	19.86 x 15.86 x 9.15 (504 x 403 x 232)	18.75 x 19.17 (476 x 487)	23.15 x 14.75 (588 x 375)	21.91 x 17.87 (557 x 454)	8.65 (220)	18.25 (464)	14.25 (362)	24.00 (610)	20.02 (509)	CF	BP2016**
AH242410 AH242410C	25.41 x 26.68 x 11.41 (645 x 678 x 290)	23.91 x 23.91 x 11.88 (607 x 607 x 302)	N/A	25.69 x 18.00 (653 x 457)	N/A	10.56 (268)	22.25 (565)	22.25 (565)	26.69 (678)	21.86 (555)	CF	BP2424**

All measures are in inches, items in parentheses are in millimeters.

* AH18164 size does not exhibit same mounting foot design. Mounting feet are molded into the box rather than installed separately.

** Panel sold separately



Includes mounts, screws and panel.

ALUMINUM SWING PANEL KITS

CATALOG NUMBER	FITS
AH66SPK	6 x 6
AH86SPK	8 x 6
AH88SPK	8 x 8
AH108SPK	10 x 8
AH1010SPK	10 x 10
AH1210SPK	12 x 10
AH1412SPK	14 x 12
AH1614SPK	16 x 14
AH1816SPK	18 x 16
AH2016SPK	20 x 16
AH2424SPK	24 x 24

ABS SWING PANEL KITS

CATALOG NUMBER	FITS
AH66SPABS	6 x 6
AH86SPABS	8 x 6
AH88SPABS	8 x 8
AH108SPABS	10 x 8
AH1010SPABS	10 x 10
AH1210SPABS	12 x 10
AH1412SPABS	14 x 12
AH1614SPABS	16 x 14
AH1816SPABS	18 x 16
AH2016SPABS	20 x 16
AH2424SPABS	24 x 24

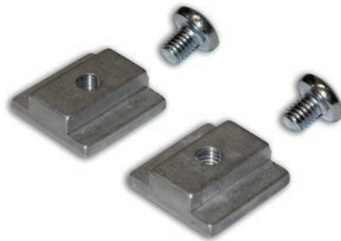
DIN RAILS

CATALOG NUMBER	FITS	DESCRIPTION
AH6DRK	6"	Kit Includes a DIN rail that fits size indicated, plus two custom slot nuts, and two thread forming screws used for mounting to back of enclosure.
AH8DRK	8"	
AH10DRK	10"	
AH12DRK	12"	
AH14DRK	14"	
AH16DRK	16"	
AH18DRK	18"	
AH20DRK	20"	
AH24DRK	24"	
AH6DR	6"	
AH8DR	8"	
AH10DR	10"	
AH12DR	12"	
AH14DR	14"	
AH16DR	16"	
AH18DR	18"	
AH20DR	20"	
AH24DR	24"	

ACCESSORIES

CATALOG NUMBER	DESCRIPTION
AHSNK	Slot Nut Kit (includes two nuts & two screws)
AHSPMK	Swing Panel Mounts (4 per kit)
AHLK	Latch Kit (2 latches per kit) - replacement only
AHAK	Accessory Kit (includes all screws, inserts and mounting feet) - replacement only
AHTSKSS	Kit includes two stainless steel thumb screws, and two plastic backers.
AHTSKAL	Kit includes two aluminum thumb screws, and two plastic backers.

AHSNK



AHSPMK



AHLK



AHAK

